



### **MicW Audio**

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**MicW** microphones

Product features and specifications are subject to change without notice.



### **E436**

Miniature Microphone

**User's Manual**

[www.mic-w.com](http://www.mic-w.com)

## 10. SPECIFICATIONS

MICROPHONE E436	
Capsule diameter	7.0mm
Principle of operation	Pressure
Polar Pattern	Omni
Sensitivity ( $\pm 2$ dB)	12 mV/Pa; -38.5 dB re. 1V/Pa
Frequency Response	20 Hz ~ 20 kHz
Power Supply	48 V Phantom power with PI48 Adaptor
Total Harmonic Distortion (THD)	< 1% up to 135 dB SPL
Thermal Noise	< 32 dBA
Output Impedance	< 200 Ohm
Dimensions	7mm $\times$ 28mm
Weight	4g
Connector	3-pin XLR

## 11. PACKING LIST

- ◇ 1 E436 microphone
- ◇ 1 PI48 Adaptor
- ◇ 2 CL011—Collar Clip
- ◇ 4 WS095—Wind Screen
- ◇ 2 SM011/012—Surface Mount
- ◇ 4 Double-sided adhesive
- ◇ 1 User's manual

## 1. INTRODUCTION

Welcome to use *Mic2U* series professional microphones!

*Mic2U* E436 is a miniature clip-on microphone which has outstanding characteristics in vocal and instrument recording with omni-directional polar pattern. It is ideal for close-recording with matched accessories and for outdoor use with high moisture resistance.

## 2. SAFETY INSTRUCTION

The microphones use pre-polarized capsules which were tested at high temperature and high humidity environment for more than 24 hours before the factory release. The microphones are very stable against temperature and humidity. It is safe to operate the microphones from -20 to 50 C and humidity up to 95%.

## 3. POWER SUPPLY

Phantom power (+48 V) is required to operate your microphone. We assume no liability for damage caused to your E436 through defective phantom power. Before activating phantom power, mute your playback system and connect the E436 to the microphone input of your mixing console. After activating phantom power, the E436 requires several seconds to stabilize itself.

## 4. APPLICATIONS

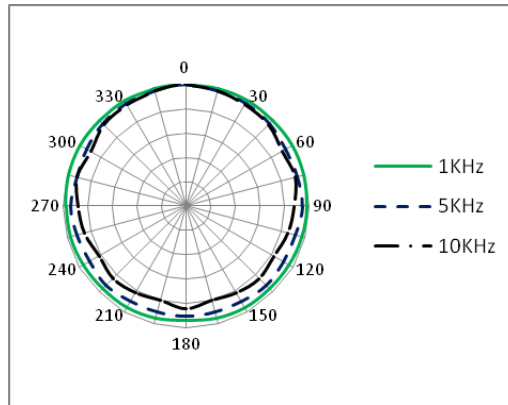
The E436 is shipped with a number of accessories. It is easy to install E436 on the instruments. The stereo pair kit of E436 is also available.

## 5. AUDIO CONNECTION

To connect the E436 to your equipment, use a balanced XLR microphone cable with the following pin assignment: Pin 1 = shielding, pin 2 = +, pin 3 = -. Since all contact points of the E436 are gold-plated, your microphone cable should feature gold-plated connectors, if possible.

## 6. DIRECTIONAL CHARACTERISTIC

The E436 is an omni-directional microphone. The microphones with this polar pattern are most sensitive to sound coming from in each angle of the microphone.



Polar pattern

## 7. MICROPHONE INSTALLATION

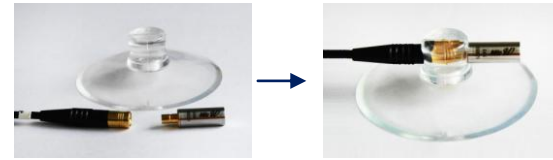
The E436 is connected to PI48 by the SMB connector. The SMB connector is a pull-and-push type of connector. You can simply push E436 into PI48 as shown in the figures. There are a number of installation kits included for your application.



With collar-clip(CL012)



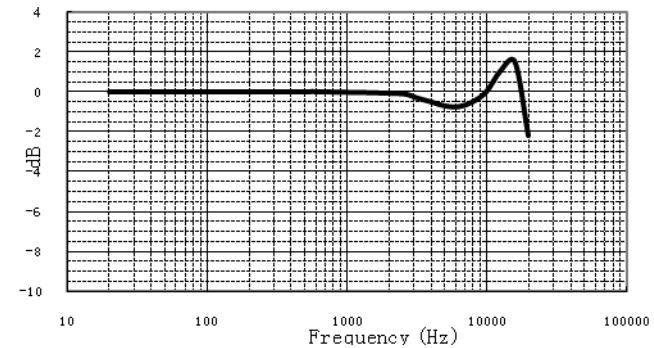
With surface mount(SM012)



With surface mount(SM011)

## 8. FREQUENCY RESPONSE

The typical frequency response is given in the following chart.



Typical Frequency Response of E436

## 9. WARRANTY POLICY

MicW Audio warrants that its Products will be free from defects in material and workmanship for one (1) year from the date of purchase by the Original Purchaser.